

Recombinant Human microfibrillar-associated protein 2, His-tagged

Cat. No. MFAP2-342H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MFAP2, 18-183aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	18-183 a.a.
Description	<p>Microfibrillar-associated protein 2, also known as MFAP2, is an O-glycosylated protein secreted to the extracellular space and the extracellular matrix. MFAP2 associates with biglycan and elastin in a ternary complex. It is shown to play a significant role in the support and distensibility of the juxtacanalicular region of these collector channels. It is also reported to inhibit LTB-1 binding to fibrillin-1, stimulate the phosphorylation of Smad2, and thereby mediate the subsequent extracellular deposition of latent TGFbeta. Recombinant human MFAP2, fused to His-tag at N-terminus, was expressed in E.coli.</p>
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1M Urea, 20% glycerol
Molecular Mass	21.5 kDa (190aa)
AA Sequence	<p>MGSSHHHHHH SSGLVPRGSH MGSMQGQYDL DPLPPFPDHV QYTHYSDQID NPDYYDYQEV TPRPSEEQFQ FQSQQQVQQE VIPAPTPEPG NAELEPTEPG PLDCREEQYP CTRLYSIHRP CKQCLNEVCF YSLRRVYVIN KEICVRTVCA</p>

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HEELLRADLC RDKFSKCGVM ASSGLCQSVA ASCARSCGSC

Purity >90% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [MFAP2 microfibrillar-associated protein 2 \[Homo sapiens \]](#)

Official Symbol MFAP2

Synonyms MFAP2; microfibrillar-associated protein 2; MAGP; MAGP 1; microfibril-associated glycoprotein 1; MAGP1; MAGP-1; FLJ50901;

Gene ID [4237](#)

mRNA Refseq [NM_001135247](#)

Protein Refseq [NP_001128719](#)

MIM [156790](#)

UniProt ID [P55001](#)

Chromosome Location 1p36.1-p35

Pathway Notch signaling pathway, organism-specific biosystem;

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Function

fibrinogen binding; fibronectin binding;

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